Record #	ABU	Unit	I/R	Item Nbr	Additional Consideration (Recommendation)	ABU Proposal	Resolution	Verifier Comments	Verifier Name	Verified On	Due Date	RR SO	E Assigned To	Status
17448	D&R	#5 H2S	2012	occasion operate estabili flow to lower: pluggii This ca H2S ca system expost burner be dra 🗷 Conside bottor reduce or imp metho	o V-899 when attempting to the level in V-800 due to ng in the blowdown line. an potentially contribute to arryover into the fuel gas n and possible personnel ure to H2S at the furnace rs if the V-800 level can not	Declined. Non-actionable item; the risk meets the Qualitative Risk Goal and current management of risk is consistent with Chevron's guiding principles.  This recommendation is associated with the following scenarios: 1.9.1.1, 1.9.1.2, 1.11.1.1, 1.11.1.2					7/10/2013	6 S	Preciado, Silvano E.	Declined
17450	D&R	#5 H2S	2012	protection protection for plus between leading through shutdown filters of E-8; engine feasible bypass		Declined. Not a safety issue. This asset item will be managed as a regular business item.					7/10/2013	6 A	Preciado, Silvano E.	Declined

Record #	ABU	Unit	I/R	Additional Item Consideration Nbr (Recommenda		Resolution	Verifier Comments	Verifier Name	Verified On	Due Date	RR SOE	Assigned To	Status
17451	D&R	#5 H2S	2012	6.1.2.1 3. Issue discussed is that no immediate alarm to a operator that the C-830. H2S pressure control val 15PV027 has closed. Clo 15PV027 reduces removing from the fuel gas system potentially contribute to carryover into the fuel gand possible personnel to H2S at the furnace bu Consider adding a low flot to the existing flow meas 15FI031 on C-830 overhead.	the risk meets the Qualitative Risk Goal and current management of erisk is consistent with Chevron's guiding principles. This can H2S Sysystem Exposure Exp					7/10/2013	7 S	Preciado, Silvano E.	Declined
17452	D&R	#5 H2S	2012	6.5.2.1 4. Issue discussed is that inlet temperature has a l and there is no alarm she 820 outlet temperature. team believes that it wo beneficial to have an ala outlet also in order to mexchanger performance.  Consider adding a high temperature alarm trip per the existing 15TI211 measignal in the DCS."	igh alarm asset item will be managed as a wn for E-regular business item.  PHA (id be non the nitor					7/10/2013	6 A	Preciado, Silvano E.	Declined
17453	D&R	#5 H2S	2012	7.1.2.1 5. Issue discussed is the pof the C-860 butane distributed that was discovered duri 2011 #4 Crude Unit majo turnaround and the pote impacting refinery proce feedrates in the future.  Consider installation of sof particulate removal up of C-860."	butor asset item will be managed as a g the regular business item.  Intial for s unit					7/10/2013	6 S	Preciado, Silvano E.	Declined

Record #	ABU	Unit	I/R	Item Nbr	Additional Consideration (Recommendation)	ABU Proposal	Resolution	Verifier Comments	Verifier Name	Verified On	Due Date	RR SOE	Assigned To	Status
17454	D&R	#5 H2S	2012	canno room opens pump persor startu 840. © Consic SHS42 block, ellmin opera startii house draini	t be started from control until field operator manually seal flush valve on both s leading to the possibility of nnel exposure to H2S during	Consider updating job aid 5HS4205j to require that seal flush block valves be kept open to eliminate the need for field operator to open valves prior to starting pump from the control house.					7/10/2013	6 S	Preciado, Silvano E.	In Progress
17455	D&R	#5 H2S	2012	vacuu seal pi colum docun vessel that a no doi the loi vacuu D-852 inject NHT a shutde a shutde engine establi seal is	der having design pering review D-852 num vacuum capabilities, vessel design criteria is ished, confirm that the loop appropriate vacuum relief t appropriate protection is	Consider having design engineering review D-852 maximum vacuum capabilities. Once vessel design criteria is established, confirm that the loop seal is appropriate vacuum relief or that appropriate protection is installed.					7/10/2013	5 A	Raiford, Alison L.	In Progress

Record #	ABU	Unit	I/R	Item Nbr	Additional Consideration (Recommendation)	ABU Proposal	Resolution	Verifier Comments	Verifier Name	Verified On	Due Date	RR SOE	Assigned To	Status
17456	D&R	#5 H2S	2012	desi PSIC set a: pres the cont wasi pote 2 Con- engi max Onc esta appi	sue discussed is that D-852 gn pressure is shown as 10 is and rupture disc C5-12 is also at 10 PSIG. This design sture seems to be higher than PHA Team would expect for a eroof vessel Failure of D-852 id lead to the Inability to Inject him water into DHT and NHT and ential plant shutdowns.  Sider having design incering review D-852 imum pressure capabilities. e vessel design criteria is blished, confirm that the propriate over pressure section is installed."	Consider having design engineering review D-852 maximum pressure capabilities. Once vessel design criteria is established, confirm that the appropriate overpressure protection is installed.					7/10/2013	8 S	Raiford, Alison L.	In Progress
17457	D&R	#5 H2S	2012	no in oper wate blen aquito p expended to be expend	a ammonia at T-3146 leading otential personnel oscure/injury to toxic vapors greleased from tank breather t.  sider conducting a toxic vapor ase modeling scenario to ermine the potential centration and extent of NH3 leatmosphere around #5 H25	Consider conducting a toxic vapor release modeling scenario to determine the potential concentration and extent of NH3 in the atmosphere around #5 H2S plant.  Consider reviewing the indications and controls available to the operator to mitigate this scenario and make recommendation for any needed improvements.					7/10/2013	6 S	Preciado, Silvano E.	In Progress

Record #	ABU	Unit	I/R	Item Nbr	Additional Consideration (Recommendation)	ABU Proposal	Resolution	Verifier Comments	Verifier Name	Verified On	Due Date I	RR SOE	Assigned To	Status
17458	D&R	#5 H2S	2012	ic th 2 C re 2 N re re a	O. Issue discussed was dentification of minor errors on he #5 H2S plant P&IDs.  I onsider updating P&IDs per PHA eddines.  I lon-Risk Ranked Actionable Item equired to meet egulatory/statutory requirements nd/or to be consistent with theyron's guiding principles."	Consider updating P&IDs per PHA redlines.					7/10/2013		Raiford, Alison L.	In Progress
17459	D&R	#5 H2S	2012	1 sp 2 C Si	onsider reviewing the piping pecification breaks associated with the #5 H2S plant equipment o ensure appropriateness for ervice. Correct P&IDs as needed. Aske corrections in field as eeded.	Consider reviewing the piping specification breaks associated with the #5 H25 plant equipment to ensure appropriateness for service. Correct P&IDs as needed. Make corrections in field as needed.					7/10/2013		Raiford, Alison L.	In Progress
17450	D&R	#5 H2S	2012	1 V  U  D  to  w  n  P  d  N  re  a	pdate job aid 5HS4701j - K-826, EA Filter, Cartridge Replacement o include pyrophoric material varning and to include otification to maintenance of yyophoric material handling and isposal concerns.	Consider updating job aid 5H547O1j - K-826, DEA Filter, Cartridge Replacement to include pyrophoric material warning and include notification to maintenance of pyrophoric material handling and disposal concerns.					7/10/2013		Preciado, Silvano E.	In Progress

Record #	ABU	Unit	I/R	Item Nbr	Additional Consideration (Recommendation)	ABU Proposal	Resolution	Verifier Comments	Verifier Name	Verified On	Due Date RR SOE	Assigned To	Status
17451	D&R	#5 H2S	2012		13. (From Latent Condition Assessment)@pportunity for improvement to lighting.  Consider conducting a lighting survey of the #5H25 Plant area and consult operators to determine if area lighting should be improved. If survey indicates potential improvement necessary implement improvements.  Non-Risk Ranked Actionable Item required to meet regulatory/statutory requirements and/or to be consistent with Chevron's guiding principles."	Consider conducting a lighting survey of the #5H25 Plant area and consult operators to determine if area lighting should be improved. If survey indicates potential improvement necessary implement improvements.					7/10/2013	Preciado, Silvano E.	In Progress
		Totals: 13 Records											